



CLEANSTART™

ORGANICS

Some organic certification bodies allow the use of Jet 5 prior to producing the crop or for disinfecting storage and handling areas. Some organic certification bodies advise growers to wash plant trays, pots and containers in clean water before use. Please contact your certification body for advice.

POTATO, FRUIT, VEGETABLE AND GRAIN STORES AND EQUIPMENT

Disinfection of storage areas and handling equipment is vital to prevent disease spread.

Stores and boxes can be disinfected prior to loading by fogging or spray treatment. Follow the procedures for disinfection and use the recommended rates of application. Unsealed concrete walls and floors must be treated with a higher concentration of 1 part of Jet 5 per 20 parts of water.

When disinfecting handling equipment or refrigeration, ensure electrical connections are covered before treatment and that any exposed working parts are re-greased if necessary.

A separate information sheet specifically on potato store disinfection is available from Certis.

SAFETY OF JET 5

ENVIRONMENT

Jet 5 breaks down rapidly after use, leaving no harmful residues and no risks of causing pollution.

USERS

Although care must be taken when handling the undiluted product, Jet 5 does not pose any acute risk to users when applying or handling treated surfaces.

CROPS

Jet 5 can be used near growing crops and is suitable for use on trays, benches, troughs, capillary matting, irrigation benches or any other equipment, including irrigation lines.

MATERIALS

Jet 5 is safe to use on brick, concrete, stone, glass, most plastics and metals, timber, plaster and paint work. It can cause tarnishing of galvanised steel and aluminium.

Do not use on copper, brass, zinc or unprotected steel.

FOOD

The Food Safety Act has important implications for farmers and growers. The Act not only covers food, but stores, premises and equipment that come into contact with food or raw commodities, such as grain or potatoes. To comply with the Act producers and companies involved in the food chain, are obliged to disinfect premises where there is any risk of contamination of foodstuffs. Jet 5 is an ideal disinfectant to ensure that growers comply with the law.

Jet 5 controls all the major food contaminants such as E. Coli and salmonella. A full list of pathogens is available from Certis.

Marketed by:



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CleanStart™ is a trademark of Certis Europe BV



CLEANSTART™

START CLEAN . . . STAY CLEAN

JET 5



CERTIS

Jet 5 - The only disinfectant you will ever need

WHAT IS JET 5

Jet 5 is a highly developed disinfectant for use in all areas of horticulture and agriculture. Based on peroxyacetic acid, formulated with a penetrating surfactant and stabiliser, it is fast acting and very effective at controlling bacteria, fungi and viruses.

With short persistence, it rapidly breaks down to harmless, naturally occurring by-products, leaving no residues or waste disposal problems.

WHY USE JET 5? BREAKING THE DISEASE CYCLE

Diseases and rots of growing crops and stored produce can survive in almost any location where there is plant material, debris and dirt. Routine disinfection of stores, benches, irrigation equipment, growing structures and carrying trays help to reduce the severity and incidence of disease outbreaks.

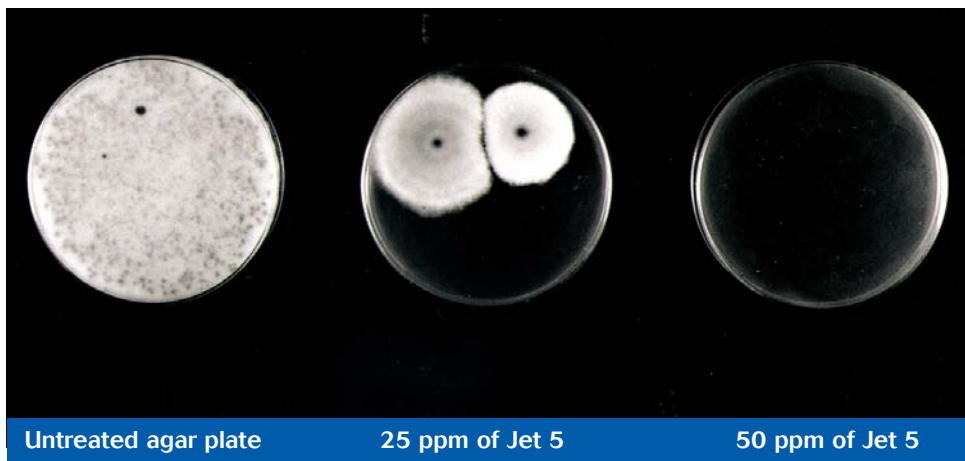
Disinfection breaks the disease cycle reducing the reliance on pesticides and the possibility of resistance build up. Using Jet 5 breaks the cycle to give the new crop a CleanStart™ - a clean environment in which to grow and flourish.

DISEASE CONTROL

Jet 5 controls all the major pathogens which affect crops and stored produce. Bacteria, fungi, viruses, yeasts and algae are all controlled, including their spore and mycelial stages.

This includes economically important diseases such as bacterial blackleg, Verticillium wilt, clubroot, Pepino mosaic virus and penicillium.

Jet 5 is a very broad spectrum disinfectant, which very few diseases have resistance to.



Untreated agar plate

25 ppm of Jet 5

50 ppm of Jet 5

Jet 5 can be applied by any of the following methods :

SPRAY - Knapsack, power lance or hydraulic sprayer.

PRESSURE WASHER - Put Jet 5 into concentrate reservoir for automatic dilution.

FOGGERS - Suitable for fixed position foggers and ULV sprayers with stainless steel lines and nozzles.

DIP - Small items such as tools, trays, pots and irrigation tubing can be dipped in a solution of Jet 5. Always use plastic, fibreglass or plastic lined tanks to hold the diluted dipping solution.

IRRIGATION LINES - Apply diluted Jet 5 directly as a spray through overhead lines.

PROCEDURES FOR DISINFECTION

For maximum performance of Jet 5, follow these steps:

1. Remove all plant debris and as much dirt and dust as possible. Bag up and remove. Vacuum out storage areas.
2. Pressure wash the area to be disinfected to remove dirt, including all equipment. Pre-wash or drench pots that are very dirty. Either use clean water or a dilute solution Jet 5 (1 part Jet 5 to 500 parts water).
3. Disinfect using Jet 5 at a concentration of 1 part Jet 5 in 125 parts of water. For fog or ULV applications use 1 part Jet 5 per 12 parts water and ensure thorough coverage. Higher concentrations should be used for short contact disinfection (less than 1 hour drying) and against clubroot. For both situations use 1 part of Jet 5 in 20 parts water.

USES OF JET 5

GLASSHOUSES AND POLYTUNNELS

Can be disinfected when empty by spraying with Jet 5. Restocking can take place 1 hour following treatment. Partially stocked houses can be treated if caution is taken to prevent drift onto neighbouring crops. Use 1 part of Jet 5 in 125 parts of water.

Separate information sheets are available for specific use in the production of cucumbers, tomatoes and ornamentals.



Start clean . . . stay clean

SEEDS AND DORMANT PLANT MATERIAL

Jet 5 can be used as a commodity substance for dipping seed potatoes prior to planting. Tubers should be immersed for one minute in a solution of 1 part Jet 5 in 50 parts of water. The seed tubers must be dried before re-storage or planting. Avoid treating chitted seed potatoes as shoots could be damaged during handling.

Under the long-term arrangements for the extension of use, dormant ornamental seeds, bulbs and corms may be dipped, at growers risk, in a solution of 1 part Jet 5 in 50 parts of water. Treated plant material should be dried before planting.

IRRIGATION BEDS

Capillary sand beds and fibre beds can be disinfected by spraying or drench. Treated beds can be re-stocked immediately after disinfection. Use 1 part Jet 5 in 125 parts of water and apply at high volume to thoroughly soak the bed.

IRRIGATION WATER AND LINES

Recycled irrigation water can be disinfected prior to use, for the control of diseases such as pythium, phytophthora, verticillium and fusarium.

Regular use of Jet 5 in irrigation lines will prevent the build up of lime scale and algae to ensure optimum performance of the equipment.

- To clean up heavily infected lines, use Jet 5 at 1 part in 125. Leave overnight and flush through with clean water before use.
- As a disease eradicator use Jet 5 at 1 or 2 parts in 1000 parts of water. At the lower dose, the water is safe for irrigation purposes.
- For regular dosing (weekly/monthly) to maintain disinfected lines, use Jet 5 at 1 part in 2000 parts of water.